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United States Patent [19]**Leyten et al.**[11] **Patent Number:** **5,625,883**[45] **Date of Patent:** **Apr. 29, 1997**[54] **SYSTEM FOR WIRELESS INFORMATION TRANSMISSION BETWEEN TWO DIFFERENT ROOMS**[75] Inventors: **Lukas Leyten; Mario J. De Bijl**, both of Eindhoven, Netherlands[73] Assignee: **U.S. Philips Corporation**, New York, N.Y.[21] Appl. No.: **661,835**[22] Filed: **Jun. 11, 1996****Related U.S. Application Data**

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[30] **Foreign Application Priority Data**

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[58] Field of Search 455/40, 41, 42, 455/345; 381/79; 336/232, DIG. 2; 379/55, 56

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[57]

ABSTRACT

For audio and/or video or control signal transmission between two rooms in, for example, a house, inductive and/or capacitive transmitters and receivers are used which are installed on opposite sides of the partition or wall that separates the rooms. The signals to be transmitted may be applied or tapped from the transmitter/receiver by cables or by infrared transceiving diodes. The transmitter and receiver consist of, for example, two metal plates or two coils installed substantially opposite each other on opposing sides of the wall.

6 Claims, 2 Drawing Sheets